

**SB 33**  
**Impact of Project Size**  
**on Capital Cost Per Unit of Output**

Generating Capacity Gross Output (MW)	Generating Capacity Net Output (MW)	Total Project Capital (in millions of \$\$)	Capital Cost - Cost per kW
6.25	5	\$30.8	\$4,920
11.46	10	\$36.3	\$3,165
16.70	15	\$34.2	\$2,347
27.45	20	\$46.5	\$2,073
28.10	25	\$56.7	\$1,998

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**SB 33**  
**Impact on Customer Costs**

**Case #1**

**ASSUME COMMUNITY RENEWABLE ENERGY PROJECT  
(CREP) IS DEFINED AS PROJECT LESS THAN OR EQUAL  
TO 5 MW**

Assume Biomass Project Cost =	\$30.80 million
Assume 100% Debt Financing	
Assume 20-Year Amortization Period	
Assume 6.5% Interest Rate	

Annual Principal and Interest (P&I) Payments	\$2.7 million
Life of Project P&I Costs	\$55.1 million

Number of Plants Needed to Produce 25 MW	5
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Total P&I Cost Paid by Consumers for Biomass Power Under Current CREP Definition	\$275 million
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**Case #2**

**ASSUME CREP DEFINITION INCREASED TO 25 MW**

Assume Biomass Project Cost =	\$56.70 million
Assume 100% Debt Financing	
Assume 20-Year Amortization Period	
Assume 6.5% Interest Rate	

Annual Principal and Interest (P&I) Payments	\$5.07 million
Life of Project P&I Costs	\$101.46 million

Number of Plants Needed to Produce 25 MW	1
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Total P&I Cost Paid by Consumers for Biomass Power Under Proposed CREP Definition	\$101.46 million
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**SUMMARY**

Total P&I Costs Under Current Law for 25 MW	\$275.60 million
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<u>Total P&amp;I costs Under SB 33 for 25 MW</u>	<u>\$101.46 million</u>
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Potential Savings to Customers Under SB 33	\$174.14 million
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